

Board Meeting  
March 23, 2011

SABBATICAL LEAVES OF ABSENCE, 2011-12

**Action:** Approve Sabbatical Leave Requests

**Funding:** No New Funding Required

The Vice Presidents/Chancellors at Urbana, Chicago, and Springfield have recommended that the following members of the faculty be given sabbatical leaves of absence in accordance with the provisions of the University of Illinois *Statutes* and on the terms and for the periods indicated.

The programs of research and study for which leaves are requested have been examined on all campuses.

The Vice President for Academic Affairs concurs in these recommendations.

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes*, *The General Rules Concerning University Organization and Procedures*, and Board of Trustees policies and directives.

The President of the University recommends approval.

URBANA-CHAMPAIGNCOLLEGE OF AGRICULTURAL,  
CONSUMER AND ENVIRONMENTAL SCIENCESDepartment of Agricultural and Biological Engineering

TONY E. GRIFT, Associate Professor

Second semester 2011-12, full pay

To conduct collaborative research regarding the influence of Maize Root Complexity on yield under crop stress conditions.

Department of Agricultural and Consumer Economics

MADHU KHANNA, Professor

Academic year 2011-12, two-thirds pay

To complete research and to prepare chapters for a book on economic and land use effects of biofuels.

Department of Animal Sciences

KELLY S. SWANSON, Associate Professor

First semester 2011-12, full pay

To perform canine and feline studies pertaining to digestive health and to learn metabolomics techniques that will be utilized by the laboratory in the future.

Department of Crop Sciences

MARTIN O. BOHN, Associate Professor

Second semester 2011-12, full pay

To study the relationship between plant root architecture and plant performance if plants are exposed to abiotic stresses, such as drought or low nitrogen.

KRIS NICHOLAS LAMBERT, Associate Professor of Nematology

Second semester 2011-12, full pay

To collaborate and to learn new laboratory methods to enhance work on newly discovered plant nematode viruses.

Department of Human and Community Development

JENNIFER LEEANN HARDESTY, Associate Professor

Second semester 2011-12, full pay

To complete research on co-parenting between separated/divorced parents with a history of domestic violence.

NANCY L. MCELWAIN, Associate Professor

First semester 2011-12, full pay

To investigate psychological understanding as a mechanism linking child-parent and child-peer relationships; and to explore physiological correlates of mother-child relationship quality and psychological understanding.

RAMONA FAITH OSWALD, Associate Professor of Family Studies

First semester 2011-12, full pay

To continue developing a methodology for assessing community climate for lesbian, gay, bi-sexual, and transgender people; and to secure external funding for research using this methodology.

COLLEGE OF APPLIED HEALTH SCIENCES

Department of Kinesiology and Community Health

SYNTHIA SYDNOR, Associate Professor

First semester 2011-12, full pay

To undertake interdisciplinary research and to collaborate on a co-authored book about the universal nature of play; and to revise the KIN/ANTH 344 course.

AMELIA MAYS WOODS, Associate Professor

Second semester 2011-12, full pay

To study the relationship of National Board Certified Physical Education Teachers and the impact of certification on their work environment and perceptions within that environment.

Department of Recreation, Sport and Tourism

ZVI SCHWARTZ, Associate Professor

Second semester 2011-12, full pay

To develop an efficient and accurate forecasting method which can handle multiple and simultaneous tourism forecasts.

KIMBERLY J. SHINEW, Professor

Second semester 2011-12, full pay

To conduct field research on leisure time physical activity among low income residents (primarily racial minorities) in urban areas.

## COLLEGE OF BUSINESS

### Department of Business Administration

JOSEPH L. CHENG, Professor

First semester 2011-12, full pay

To complete research on the global competitiveness of Asia-Pacific multi-national corporations and prepare an external grant proposal for a follow-up study.

## COLLEGE OF EDUCATION

### Department of Curriculum and Instruction

KARLA JEAN MÖLLER, Associate Professor

First semester 2011-12, full pay

To research literature study goals articulated in the 2010 Common Core Standards (K-12 education); and to document and analyze educators' reactions to the Standards adoption.

### Department of Educational Organization and Leadership

CAROLYN MURIEL SHIELDS, Professor

First semester 2011-12, full pay

To assess the applicability of the theory of transformative leadership to non-western environments; and to publish articles on these findings.

### Department of Educational Psychology

CAROLYN JANE ANDERSON, Professor

Academic year 2011-12, two-thirds pay

To study and develop estimation methods for latent variable models for discrete data; to further develop models for discrete data including writing an NSF/MMS grant; and to complete a book on generalized linear mixed models for continuous and discrete data.

MICHELLE PERRY, Professor

Second semester 2011-12, full pay

To collect new data to examine how teachers view and learn from their viewing of classroom videos obtained during U.S. and Chinese elementary mathematics lessons, resulting in both practical and theoretical products and insights on new ways to support teaching of elementary mathematics.

KATHERINE E. RYAN, Associate Professor

Second semester 2011-12, full pay

To conduct an investigation of how school self-evaluation and inspection can serve to mitigate negative educational accountability consequences and help to improve student learning.

## COLLEGE OF ENGINEERING

### Department of Aerospace Engineering

VICTORIA LYNN COVERSTONE, Professor

Second semester 2011-12, full pay

To examine innovative and radical new space systems and concepts to address the challenges of space exploration over the coming decades.

### Department of Civil and Environmental Engineering

TAMI C. BOND, Associate Professor

Academic year 2011-12, two-thirds pay

To advance understanding of the physical nature of socioeconomic driving forces that describe air-pollutant emissions from rural burning of solid fuels.

CARLOS ARMANDO DUARTE, Associate Professor

Academic year 2011-12, one-half pay; or first semester 2011-12, full pay

To study coupled multi-scale, multi-physics problems, like hydraulic fracturing of natural gas reservoirs; and to develop and implement novel computational methods for this class of problems. The period of absence will depend on external funding.

DANIEL ALEXANDER KUCHMA, Associate Professor

First semester 2011-12, full pay

To expand technical expertise; to observe European research and to fund stream practices; and to develop future collaborative research projects on bridge design and building structural design.

GARY PARKER, Professor

Second semester 2011-12, full pay

To conduct research on river dynamics/morphs dynamics/geomorphology as related to the Mississippi River and gravel tracers in Mountain Rivers.

MARK J. ROOD, Professor

Academic year 2011-12, one-half pay; or second semester 2011-12, full pay

To develop skills pertaining to gas-solid reactions, including catalysis, and detection of ambient aerosols. The period of absence will depend on external funding.

#### Department of Computer Science

TAREK ABDELZAHER, Associate Professor

Academic year 2011-12, one-half pay

To develop an interdisciplinary theory for analysis and control of data-intensive cyber-physical systems to enhance understanding of their stability and performance.

JEFF G. ERICKSON, Professor

Academic year 2011-12, one-half pay

To complete the majority of work on a new textbook on computational topology.

INDRANIL GUPTA, Associate Professor

Academic year 2011-12, two-thirds pay

To study and collaborate with industry efforts in cloud computing.

LAXMIKANT V. KALE, Professor

Academic year 2011-12, two-thirds pay

To study design issues for exascale supercomputers; to study plans of national laboratories; and to explore needs of science and engineering applications that need exascale supercomputers.

#### Department of Electrical and Computer Engineering

M. TAMER BASAR, Professor

Academic year 2011-12, two-thirds pay

To conduct fundamental research on multi-agent systems; and to work on two books on the topics of networked control and stochastic games.

BRIAN T. CUNNINGHAM, Professor

First semester 2011-12, full pay

To explore photonic crystal enhanced fluorescence for applications in next generation DNA sequencing.

DOUGLAS L. JONES, Professor

Academic year 2011-12, two-thirds pay; or second semester 2011-12, full pay

To develop sufficient knowledge of neurophysiology and of the physics of optical-fiber communication to apply signal processing research; and to pursue research in these areas. The period of absence will depend on external funding.

WILLIAM D. O'BRIEN, Professor

Second semester 2011-12, full pay

To further expertise in how ultrasound interacts with biological materials as the phenomena relate to cancer detection and diagnosis.

Department of Materials Science and Engineering

ANGUS ALEXANDER ROCKETT, Professor

First semester 2011-12, full pay

To learn techniques and conduct research on the development of a novel solar cell characterization method; and to write article reviews.

KENNETH S. SCHWEIZER, Professor

Second semester 2011-12, full pay

To learn about new areas of soft materials science; and to pursue new research collaborations in the areas of polymer nanocomposites, colloid science and computation.

Department of Mechanical Science and Engineering

ANDREW G. ALLEYNE, Professor

Academic year 2011-12, one-half pay

To collaborate on and advance two strategic research areas: Energy Management Systems and High Precision Manufacturing Systems.

ARMAND JOSEPH BEAUDOIN, Professor

Academic year 2011-12, one-half pay

To conduct experiments on advanced materials for transportation and infrastructure.

KENNETH T. CHRISTENSEN, Associate Professor

First semester 2011-12, full pay

To pursue technique innovation for enhanced experimental studies of complex fluid flows; and to explore new research themes to be studied with these enhanced techniques.

MARTIN OSTOJA STARZEWSKI, Professor

Second semester 2011-12 and first semester 2012-13, one-half pay

To concentrate research on impact loading of structures, materials, and human bodies; and to further research of fractals in mechanics of materials.

Department of Physics

RUSSELL W. GIANNETTA, Professor

First semester 2011-12, full pay

To synthesize organic superconductors and construct a high resolution, cryogenic nuclear magnetic resonance probe.

ROBERT G. LEIGH, Professor

Academic year 2011-12, two-thirds pay

To develop string theory methods with applications to strongly-coupled condensed matter systems.

## COLLEGE OF FINE AND APPLIED ARTS

School of Art and Design

PAUL ANGUS DUNCUM, Professor

Academic year 2011-12, two-thirds pay

To complete a study on popular aesthetics, examining the constancy of both the sensory and ideational appeal of popular visual images from Plato to today.

DEANA C. MCDONAGH, Associate Professor of Art

First semester 2011-12, full pay

To conduct field research and develop Empathic Design Research methods and tools with collaborative partners. The foundation of empathic design is observation of consumers with a product, with a goal of identifying latent consumer needs then addressing those needs via product design improvements.

ALAN T. METTE, Professor

Second semester 2011-12, full pay

To develop a body of creative work, expanded beyond metal smithing, that explores the concept of alluring utilizing new and traditional processes.

DAVID J. O'BRIEN, Associate Professor

Academic year 2011-12, two-thirds pay

To complete a book on the French artist Eugène Delacroix.

JOSEPH C. SQUIER, Professor

First semester 2011-12, full pay

To develop new skills, particularly in software programming, that will facilitate research in emergent new electronic media and mobile technologies.



School of Music

EDUARDO DIAZMUNOZ, Professor

Second semester 2011-12, full pay

To compose a symphonic suite based on the musical materials composed for the Mexican feature film *Espíritu de Triunfo* (Spirit of Triumph) which was recorded and produced during the summer of 2010, with a planned premiere in Urbana-Champaign during academic year 2012-13.

CHARLOTTE MATTAX MOERSCH, Professor

First semester 2011-12, full pay

To make a solo harpsichord compact disc recording of the *Babell* manuscript, one of the largest extant collections of late seventeenth-century harpsichord music.

WILLIAM MOERSCH, Associate Professor

First semester 2011-12, full pay

To prepare and record significant new repertoire for solo marimba commissioned for commercial release as a compact disc.

FRED A. STOLTZFUS, Professor

Second semester 2011-12, full pay

To complete a study of the Beethoven sketchbook manuscript *GRASNICK 5*.

SEVER TIPEI, Professor

Second semester 2011-12, full pay

To compose an original work, developing the software tools necessary for its production; and to promote the research and artistic activities taking place in the UIUC Computer Music Project.

Department of Theatre

ROBERT G. ANDERSON, Associate Professor

Second semester 2011-12, full pay

To interview and observe actors and directors to uncover developing production and training techniques with a view towards developing an instructional manual on acting.

ESTHER SONGIE KIM LEE, Associate Professor

First semester 2011-12, full pay

To complete a monograph on theatre and performance artists and aesthetics in Korean Diaspora in the United States and Canada.

## GRADUATE SCHOOL OF LIBRARY AND INFORMATION SCIENCE

CHRISTINE A. JENKINS, Associate Professor

First semester 2011-12, full pay

To extend and build upon current research on young adult fiction through extensive study of materials in order to update a survey of young adult titles with GLBT content, including historical, social, and cultural contexts of landmark books. The research findings will be incorporated in a future publication.

## COLLEGE OF LAW

LARRY E. RIBSTEIN, Professor

Second semester 2011-12, full pay

To write one or more articles or books on jurisdictional competition, portrayal of business in film, the future of law practice and teaching, and other subjects.

JENNIFER KIRKPATRICK ROBBENNOLT, Professor

Second semester 2011-12, full pay

To research and draft a manuscript about the ways in which psychological research and psychological methods can inform an understanding of the law of torts.

## COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of African American Studies

CHRISTOPHER D. BENSON, Associate Professor

Second semester 2011-12, full pay

To conduct ethnographic and archival research for two books: a narrative history of racial transformation in Hyde Park; and a racial representation in *The Chicago Defender*.

CLARENCE E. LANG, Associate Professor

Second semester 2011-12, full pay

To conduct primary research for a second single-authored monograph focusing on African American Midwestern working-class cultural institutions and civil society post-1945.

Department of Anthropology

CHRISTOPHER FENNELL, Associate Professor

First semester 2011-12, full pay

To complete research and publish scholarship on two landscapes of African American Heritage: archaeological and landscape analysis of New Philadelphia, Illinois and the Edgefield pottery district, South Carolina.

JOHN DAVID POLK, Associate Professor

First semester 2011-12, full pay

To gain knowledge and experience in the analysis of children's gait development; to increase knowledge of multivariate statistical techniques; and to update course materials for ANTH 440 Human Paleontology.

REBECCA STUMPF, Associate Professor

First semester 2011-12, full pay

To write two manuscripts; to collaborate on the relationship between ecology and reproduction in primates; and to update course materials for ANTHH 343/GWS 343: The Behavior and Biology of Women.

Asian American Studies Program

JUNAID RANA, Associate Professor

Second semester 2011-12, full pay

To complete the writing for two projects based on research conducted on Muslim populations in New York and Chicago.

Department of Astronomy

YOU-HUA CHU, Professor

Second semester 2011-12 and first semester 2012-13, two-thirds pay

To carry out analysis and interpretation of Chandra and XMM-Newton X-ray observations of planetary nebulae, white dwarfs wind-blown bubbles, and star-forming regions.

LAIRD A. THOMPSON, Professor

First semester 2011-12, full pay

To run experiments with and to improve the laser guide star and advanced optics system at the Mount Wilson Observatory. With research funding and support of collaborators and graduate students, an LGS-AO system was designed and built in the dome of the telescope. This period of research will include extensive optical alignment, testing, laser work, and computer programming as well as allow for collaborative study.

School of Chemical SciencesDepartment of Biochemistry

RAVEN H. HUANG, Associate Professor

Second semester 2011-12, full pay

To initiate a new area of RNA research, including performing initial experiments and preparing grant applications.

Department of Chemical and Biomolecular Engineering

PAUL J.A. KENIS, Professor

Academic year 2011-12, two-thirds pay

To pursue research on the application of microfluidic technology in the following areas: pharmaceutical and membrane protein crystallization; fuel cell-based power sources; diagnostic tests; and regenerative biology.

Department of Communication

PATRICIA A. GILL, Associate Professor

Academic year 2011-12, one-half pay

To complete a book-length project on a rhetorical analysis of the relation of passion and power in the 18<sup>th</sup> Century English literature.

School of Earth, Society, and EnvironmentDepartment of Geography

GEOFFREY J.D. HEWINGS, Professor

First semester 2011-12, full pay

To prepare a manuscript on the economic geography of the Midwest US economies, drawing on two decades of research conducted by Regional Economics Applications Laboratory (REAL); and to complete a manuscript on input-output, social accounting and Computational General Equilibrium (CGE) modeling.

Department of Geology

CHU-YUNG CHEN, Associate Professor

Second semester 2011-12, full pay

To explore state-of-the-art teaching technologies and online tools; to attend cutting edge teaching workshops; and to update and rejuvenate teaching approaches to enhance geosciences teaching and student learning.

Department of Economics

IN-KOO CHO, Professor

Second semester 2011-12, two-thirds pay

To launch and advance a project to write a monograph on the learning and bounded rationality in economics.

Department of English

DENNIS E. BARON, Professor

Academic year 2011-12, one-half pay; or first semester 2011-12, full pay

To write a book: *Official English from the Schoolhouse to the White House*. The period of absence will depend on external funding.

ROBERT W. BARRETT, Associate Professor

First semester 2011-12, full pay

To complete research and produce an edition of the 16<sup>th</sup> Century Chester Whitsun plays, a cycle of 24 biblical pageants.

MARTIN CAMARGO, Professor

Academic year 2011-12, two-thirds pay

To complete an edition, translation, and commentary on an influential 14<sup>th</sup> Century rhetorical treatise.

JAMES A. HANSEN, Associate Professor

Academic year 2011-12, two-thirds pay

To study the manuscripts of Joseph Conrad and Samuel Beckett in preparation for writing a book.

JOHN TIMBERMAN NEWCOMB, Associate Professor

First semester 2011-12, full pay

To research and draft a book, *Cities, Suburbs, and the spaces Between: Social Space in Hollywood Narrative Cinema*, a study of the American city and suburb in postwar Hollywood film.

ROBERT DALE PARKER, Professor

Second semester 2011-12, full pay

To conduct research for a book that interprets how writers debated the role of literature amidst the suffering of the Great Depression.

RICHARD THOMAS RODRIGUEZ, Associate Professor

First semester 2011-12, full pay

To complete a monograph, *Subject to Fantasy: Latino Masculinity in Contemporary American Culture*, on the politics of Latino masculinity in contemporary American culture.

ALEXANDER M. SHAKAR, Associate Professor

First semester 2011-12, full pay

To complete a feature screenplay, a social satire about competing cultural expectations of life in the future; to write a series of essays; and to promote a book of fiction.

RENÉE TRILLING, Associate Professor

First semester 2011-12, full pay

To complete research of manuscript collections; and to write a monograph on understandings of the body in Anglo-Saxon England.

Department of History

CLARE H. CROWSTON, Associate Professor

Second semester 2011-12, full pay

To research and to write a book on apprenticeship and labor markets in early modern France.

PETER A. FRITZSCHE, Professor

Second semester 2011-12, full pay

To research for a book on “the labor of comprehension in World War II,” a study of how contemporaries explained to themselves the catastrophe of war and genocide in order to gain insight into the templates of understanding and misunderstanding in conditions of extremity.

FREDERICK E. HOXIE, Professor

First semester 2011-12, full pay

To initiate research for a book: *Pacific Cosmopolitans: Indigenous Leaders in an Imperial Age*; and to prepare materials for a new course, “History in the Public Arena.”

CRAIG M. KOSLOFSKY, Associate Professor

First semester 2011-12, full pay

To study changing attitudes toward everyday violence and self-restraint in early modern (1500-1800) Europe in the context of European warfare and European participation in the slave trade.

MARK STEPHEN MICALE, Professor

Second semester 2011-12, full pay

To conduct the preliminary research for a book project entitled: *The Global Psychiatric State*. This study will reconstruct the several reinforcing processes now at work that are eroding past national and regional differences in “psychiatric styles” and are creating in their place a uniform set of models, theories, and therapies of the human mind projected to be universally applicable. The reconstruction of these globalizing processes in contemporary psychological medicine will be followed by an evaluation of the overall process in the book’s conclusion.

School of Literatures, Cultures and Linguistics

Department of French

JEAN-PHILIPPE R. MATHY, Professor

Second semester 2011-12, full pay

To complete research and write a book on the reactions to September 11th and its aftermath in France.

Department of Linguistics

CORINA R. GIRJU, Associate Professor

Academic year 2011-12, one-half pay

To explore how socio-linguistic theories of inter-personal communication can aid in developing the next generation of natural language technologies for social web media.

Department of Slavic Languages and Literatures

VALERIA SOBOL, Associate Professor

Second semester 2011-12, full pay

To conduct research; and to begin writing a book on “uncanny” representations of the Russian Empire in 18th and 19<sup>th</sup> Century Russian literature.

Department of Spanish, Italian, and Portuguese

LUISA-ELENA DELGADO, Associate Professor

Second semester 2011-12, full pay

To complete a book entitled: *A Cultural History of Modern Spanish Literature*.

Department of Mathematics

MAARTEN J. BERGVELT, Associate Professor

First semester 2011-12, full pay

To study mathematical structures related to quantum field theory, with a focus on a new class of generalized vertex algebras; and to apply these structures to twisted modules and quantum vertex algebras.

SHELDON KATZ, Professor

Second semester 2011-12, full pay

To collaborate on projects at the interface of geometry and string theory; and to work on a book on mathematics and physics.

RINAT KEDEM, Associate Professor

First semester 2011-12, one-half pay

To continue collaboration and to complete research on a National Science Foundation project: "Algebraic and combinatorial structures in integrable systems."

ELY KERMAN, Associate Professor

Second semester 2011-12, full pay

To continue research on the detection of new obstructions to symplectic embeddings and the number of periodic points of Hamiltonian maps.

CHRISTOPHER JAY LEININGER, Associate Professor

Second semester 2011-12, full pay

To continue six collaborative projects; and to initiate new collaborative research in geometry, including aspects of homeomorphism.

XIAOCHUN LI, Associate Professor

Second semester 2011-12, full pay

To focus on the research on Bourgain's conjecture and Vinogradov mean value conjecture, and to write a book on them.

IGOR MINEYEV, Associate Professor

Academic year 2011-12, two-thirds pay

To conduct research relating algebra, topology, geometry, and analysis; and to communicate with prominent mathematicians in these fields.

JOSEPH M. ROSENBLATT, Professor

Second semester 2011-12, full pay

To conduct research in harmonic analysis and dynamical systems in a number of different directions, using both existing and new mathematical tools, in collaboration with other mathematicians.



RENMING SONG, Professor

Second semester 2011-12, full pay

To complete joint research projects on the potential theory of subordinate Brownian motions.

Department of Philosophy

JONATHAN WASKAN, Associate Professor

First semester 2011-12, full pay

To complete research; and to write a monograph demonstrating the benefits of an interdisciplinary approach to the study of explanation.

Department of Political Science

MERLE L. BOWEN, Associate Professor

First semester 2011-12, full pay

To complete research; and to complete two journal articles on economic development in quilombos (African descent communities), as a component of their unique process of modernization in contemporary Brazil.

BRIAN J. GAINES, Associate Professor

Academic year 2011-12, one-half pay

To complete a series of papers and possibly a short monograph on public opinion about taxation rates.

JOHN A. VASQUEZ, Professor

Academic year 2011-12, one-half pay

To collect and to analyze data from 1816-2001 on processes that lead to war; and to examine the impact of alliances and the settlement of territorial disputes.

Department of Psychology

J. KATHRYN BOCK, Professor

Academic year 2011-12, two-thirds pay

To facilitate cross linguistic research on language use, specifically on how native Dutch speakers formulate speech plans.

WENDY HELLER, Professor

Second semester 2011-12, full pay

To complete an edited anthology of autobiographical writings focused on various mental illnesses and disabilities that are commonly studied in psychology class.

DAVID E. IRWIN, Professor

First semester 2011-12, full pay

To conduct research investigating the coordination of perception, action, and language in human cognition.

BRIAN H. ROSS, Professor

First semester 2011-12, full pay

To develop research on conceptual learning in physics and statistics for grant proposals; and to work on a theory of concept learning and use.

Department of Statistics

YUGUO CHEN, Associate Professor

First semester 2011-12, full pay

To enhance expertise in the analysis of complex networks; and to develop new research on Monte Carlo sampling for inference on network data.

COLLEGE OF MEDIA

Institute of Communications Research

CHERYL L. COLE, Professor

First semester 2011-12, full pay

To complete a project to enhance new media production skills, resulting in an ethnographic study of Beyondmedia Education, a new media literacy non-profit organization.

Department of Journalism

LOVICK R. MARTIN, Associate Professor

First semester 2011-12, full pay

To explore how the loss of experience and institutional knowledge of journalists affects coverage and training/mentoring programs.

NANCY JANE BENSON, Associate Professor

Second semester 2011-12, full pay

To visit and establish contacts for new international reporting course destinations; and to produce a radio report on drug-resistant malaria in Cambodia and Thailand.

## UNIVERSITY LIBRARY

KAREN L. HOGENBOOM, Associate Professor

November 1, 2011 through July 31, 2012, full pay

To evaluate approaches to making state data, including geographic data, available via the Internet; and to conduct a pilot project using Illinois data.

CYNTHIA SUE INGOLD, Associate Professor

August 16, 2011 through May 15, 2012, full pay

To prepare a document project for the scholarly database Women and Social Movements, examining how two women's groups within the American Library Associate have worked to affect social change within the profession and society at large.

LORI S. MESTRE, Associate Professor

August 16, 2011 through February 15, 2012, full pay

To complete a research study that documents the effectiveness and impact of online instruction (mainly learning objects) for students from diverse cultures.

SCOTT W. SCHWARTZ, Associate Professor

January 1, 2012 through June 30, 2012, full pay

To publish a critical music edition to Sousa's *Sheridan's Ride*; and to conduct research and publish an article on simple preservation/restoration techniques for the 19<sup>th</sup> and 20<sup>th</sup> Century brass instruments.

SUSAN ELLIS SEARING, Associate Professor

September 16, 2011 through December 15, 2011, full pay

To enhance knowledge of Library and Information Science resources; to update a core reference tool for the discipline; and to investigate the information practices of Library and Information Science scholars.

YOO-SEONG SONG, Associate Professor

September 1, 2011 through May 31, 2012, full pay

To collaborate on a study to design library marketing strategies for academic libraries in multicultural settings; and to collaborate on a study to propose marketing strategies for digital library environments.

CHICAGO

## COLLEGE OF ARCHITECTURE AND THE ARTS

School of Architecture

SHARON H. HAAR, Associate Professor

Academic year 2011-12, one-half pay; or first semester 2011-12, full pay

To complete research and to prepare a manuscript on the development of public interest and humanitarian architectural and design practices.

School of Art and Design

OLIVIA M. GUDE, Professor

Second semester 2011-12, full pay

To write a series of articles on curriculum choices in K-12 grade and university art programs, considering implications of visual culture theory and contemporary art practices for pedagogy.

DARIA TSOUPIKOVA, Associate Professor

First semester 2011-12, two-thirds pay

To complete research and development of a virtual environment promoting home-based rehabilitation therapy for stroke survivors in collaboration with the Image Institute Arts et Metiers/ParisTech.

Department of Performing Arts

HARRIS S. SAUNDERS, JR., Associate Professor

Academic year 2011-12, two-thirds pay

To complete two large-scale publication projects: the final volume of a critical edition in a series from Harvard Univ. Press on Alessandro Scarlatti's opera, Pirro e Demetrio; and a monograph on Opera for the Venetian Patriciate.

## COLLEGE OF BUSINESS ADMINISTRATION

Department of Information and Decision Sciences

JAMES KAR-YEW HO, Professor

Second semester 2011-12, full pay

To develop an interactive (hyper) map of Supply Chain Management, guiding managers to benchmark industries outside of their own for innovative and effective strategies.

Department of Managerial Studies

JENNIFER MARIE HOOBLER, Associate Professor

Academic year 2011-12, one-half pay

To study the career process of women and non-Whites in post-apartheid South Africa to uncover organizational factors affecting underrepresented groups in upper management positions.

COLLEGE OF DENTISTRY

Department of Oral Biology

JIANXUN LI, Associate Professor

Academic year 2011-12, one-half pay

To work on the development of a protein and antibody chip to identify all proteins in saliva.

COLLEGE OF EDUCATION

Department of Educational Policy Studies

PAMELA ANNE QUIROZ, Professor

Second semester 2011-12, full pay

To update instructional technology skills and to complete a four year ethnography of African American males participating in an inclusion program at one of Chicago's elite public high schools and to put it in the context of CPS reform and New Urbanism manuscript entitled "Marketing Diversity and the New Politics of Desegregation" under contract for publication with the University of Cambridge Press.

Department of Educational Psychology

ARTIN GONCU, Professor

First semester 2011-12, full pay

To examine leadership education and to institute it in the UIC Master's program in early childhood education.

Department of Special Education

NORMA A. LOPEZ-REYNA, Associate Professor

Academic year 2011-12, one-half pay

To focus on the analysis of data sets and preparation of manuscripts from two grant-funded projects. The “Teacher Leaders for Children” project focuses on preparing teachers to instruct English language learners with disabilities. The second project is to examine the process of change in personnel preparation programs to address recruitment and retention of culturally diverse students.

## COLLEGE OF ENGINEERING

Department of Chemical Engineering

LUDWIG C. NITSCHKE, Associate Professor

First semester 2011-12, full pay

To develop novel multi-scale computer simulations of lipid-bilayer dynamics; to learn about industrial membrane desalination technology; and to gain expertise on distance education methods.

Department of Civil and Materials Engineering

JIE LIN, Associate Professor

First semester 2011-12, full pay

To focus on the impact of transportation on air pollution, using Southeast Asia’s exponential growth in transportation infrastructure as an excellent test bed.

Department of Computer Science

ARAVINDA PRASAD SISTLA, Professor

First semester 2011-12, full pay

To perform research on monitoring cyber-physical systems for safe application and to investigate techniques for ensuring correct functionality.

JON A. SOLWORTH, Associate Professor

Academic year 2011-12, two-thirds pay

To build a new secure operating system prototype far more secure than today’s computer systems called Ethos.

OURI WOLFSON, Professor

Academic year 2011-12, two-thirds pay

To research and to commercialize technology for mobile local search, a procedure in which a mobile user can search for local resources.

Department of Electrical and Computer Engineering

SHANTANU S. DUTT, Professor

Academic year 2011-12, two-thirds pay

To commercialize a prototype computer-aided chip design tool; and to collaborate on and to learn about current technological problems experienced by high-tech companies.

Department of Mechanical and Industrial Engineering

CONSTANTINE M. MEGARIDIS, Professor

Academic year 2011-12, two-thirds pay

To enhance knowledge in targeted aspects of micro and nano-science; to learn new processes relevant to non-woven materials; and to initiate a collaborative program on molecular dynamic modeling of water repellency.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of Biological Sciences

MARY VIRGINIA ASHLEY, Professor

First semester 2011-12, full pay

To develop research projects and themes in the area of plant molecular ecology and conservation genetics.

HORMOZ BASSIRIRAD, Professor

First semester 2011-12, two-thirds pay

To engage in technical and theoretical approaches in ecosystem ecology and remote sensing; and to address molecular to landscape level responses of native vegetations to global climate change.

MIQUEL ANGEL GONZALEZ-MELER, Associate Professor

Second semester 2011-12, full pay

To focus on the application and development of isotope techniques for the study of effects on environmental change in plants, ecosystems and crops.

JANET ELIZABETH RICHMOND, Professor

First semester 2011-12, full pay

To study synaptic function using state-of-the-art imaging equipment at and developed by the Max Planck Institute for Biophysical Chemistry, Goettingen, Germany.

JENNIFER VIRGINIA SCHMIDT, Associate Professor

Academic year 2011-12, two-thirds pay

To intensify laboratory research using molecular genetic tools to study the biology and reproduction of a variety of vertebrate species.

Department of Chemistry

TIMOTHY A. KEIDERLING, Professor

Academic year 2011-12, one-half pay; or second semester 2011-12, full pay

To develop and to use the new IR T-Jump spectrometer being constructed in Prof. Karin Hauser's lab, University Konstanz, Germany, in order to continue studies of peptide dynamics and folding.

DONALD J. WINK, Professor

Academic year 2011-12, two-thirds pay; or second semester 2011-12, full pay

To study the origin of John Dewey's idea of scientific inquiry, from the perspective of its relationship to natural science.

Department of Classics and Mediterranean Studies of Languages and Literatures

OURANIA NANNO MARINATOS, Professor

First semester 2011-12, full pay

To complete a monograph, *Citizen of Minos*, on Sir Arthur Evans (1851-1941), the excavator of the Minoan palace of Knossos and the Greek archaeologist Spyridon Marinatos, best know for the excavation of the Minoan town Akrotiri, Thera Greece (1901-1974).

Department of Criminology, Law, and Justice

LISA G. FROHMANN, Associate Professor

Second semester 2011-12, full pay

To research and to explore how continued exposure to war shapes veterans' re-integrative processes to civil society; and to generate participant generated photography and autobiographical narratives to record the day-to-day practices that make up this transition.



Department of English

LENNARD J. DAVIS, Professor

First semester 2011-12, full pay

To research a book on the relationship between the sciences and the humanities, a bio-cultural genealogy, from a historical, cultural, and social perspective.

HELEN HERAN JUN, Associate Professor

First semester 2011-12, full pay

To further research on a second book, *“Enslaved”*: *Language of human trafficking and the prison industrial complex*.

Department of Germanic Studies

ELIZABETH A. LOENTZ, Associate Professor

First semester 2011-12, full pay; or second semester 2011-12, full pay

To conduct archival research and to write a monograph on German-Jewish and German discourses on Yiddish in twentieth century Germany.

Department of Hispanic and Italian Studies

KIMBERLY J. POTOWSKI, Associate Professor

Academic year 2011-12, two-thirds pay; or second semester 2011-12, full pay

To research language arts teaching in Mexico and to apply best practices to teaching Spanish heritage speakers in the U.S.; to finish linguistic and qualitative analyses of interviews with Mexi-Ricans in Chicago; and to finish a book manuscript.

Department of Mathematics, Statistics, and Computer Science

SAMAD HEDAYAT, Professor

First semester 2011-12, full pay

To research developing innovative statistical tools for agreement methodologies and optimal and efficient statistical designs needed for pharmaceutical and medical statistics.

DAVID ELLIS MARKER, Professor

First semester 2011-12, full pay

To continue and to expand NSF sponsored research on model theory and its applications to differential algebra and complex exponentiation.

GYORGY TURAN, Professor

First semester 2011-12, full pay

To continue research in theoretical computer science and artificial intelligence, related to knowledge base development.

Department of Philosophy

DAVID R. HILBERT, Professor

First semester 2011-12, full pay

To write new material for a book; to collect previously published papers on color, experimental techniques in vision science; and to initiate research on the neurobiology and philosophy of motivation.

Department of Physics

ANJUM ANSARI, Professor

Second semester 2011-12, full pay

To study the folding and dynamics of pseudo knot structures in RNA molecules using laser temperature-jump spectroscopy and single molecule techniques.

CHRISTOPH HERMANN GREIN, Professor

First semester 2011-12, full pay

To conduct microscopic modeling studies to improve the performance of CdZnTe-based gamma and x-ray radiation detectors.

MARK L. SCHLOSSMAN, Professor

First semester 2011-12, full pay

To investigate the growth of nano-particles at the interface between two liquids.

Department of Political Science

ANDREW S. MCFARLAND, Professor

Second semester 2011-12, two-thirds pay

To explore concepts of the public interest as they relate to ideas of political representation with application to American politics and to comparative politics.

EVAN C. MCKENZIE, Associate Professor

First semester 2011-12, full pay

To develop policy alternatives for cities to deal with insolvent and otherwise failing homeowner and condominium associations, and to devise better real estate development alternatives.

Department of Psychology

GARY E. RANEY, Associate Professor

Second semester 2011-12, full pay

To write several journal articles based on completed research projects related to reading comprehension, and to develop a grant proposal to support future studies.

STEWART A. SHANKMAN, Associate Professor

Second semester 2011-12, full pay

To write two empirical studies manuscripts for publication; to improve expertise in neuro-imaging research and methodology; and to establish key collaborations at the University of Cambridge.

ROBERT D. WIRTSHAFTER, Professor

First semester 2011-12, full pay

To study philosophical issues related to the neural basis of motivation and to incorporate these issues into my teaching and research.

Department of Sociology

RICHARD E. BARRETT, Associate Professor

Academic year 2011-12, two-thirds pay

To measure racial disparities in breast, prostate and colon cancer in national, state and local studies.

## COLLEGE OF MEDICINE

Department of Psychiatry

RAJIV PANDIT SHARMA, Professor

Second semester 2011-12, full pay

To acquire new techniques for the study of chromatin remodeling in animal models, as well as the postmortem brains of patients with major psychiatric disorders.

## COLLEGE OF PHARMACY

Department of Biopharmaceutical Sciences

RICHARD A. GEMEINHART, Associate Professor

Academic year 2011-12, two-thirds pay; or first semester 2011-12, full pay

To examine and to learn methods of microstructure design and characterization, with a focus that can be applied to drug delivery and regeneration medicine, for later research.

Department of Pharmacy Administration

BRUCE L. LAMBERT, Professor

Second semester 2011-12, full pay

To complete the analysis and to write a series of studies of medication errors and tools for optimizing the outcomes of drug therapy.

## SCHOOL OF PUBLIC HEALTH

Division of Community Health Sciences

LAURIE RUGGIERO, Professor

Academic year 2011-12, one-half pay

To harness technology regarding available internet and communication technologies (e.g., telemedicine and virtual world applications); to enhance research and to expand knowledge of change interventions; and to reach populations to address the diabetes epidemic.

Division of Epidemiology and Biostatistics

FAITH G. DAVIS, Professor of Epidemiology

Academic year 2011-12, two-thirds pay

To develop health disparities research in two separate but complementary urban environments; and to complete manuscripts on brain tumor research.

HAKAN DEMIRTAS, Associate Professor of Biostatistics

Second semester 2011-12, full pay

To write a book about simulation design and implementation on conceptual, philosophical, practical and operational levels in statistical language of the R- software.

COLLEGE OF URBAN PLANNING AND PUBLIC AFFAIRS

Department of Public Administration

ALLYSON L. HOLBROOK, Associate Professor

First semester 2011-12, full pay

To complete research exploring how culture influences the cognitive and social processes involved in responding to different types of survey questions.

SPRINGFIELD

COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of Communication

ERIC MARK THIBODEAUX-THOMPSON, Associate Professor

Second semester 2011-12, full pay

To develop an acting craft by performing in a theatrical production, as well as to pursue a theatrical assignment as a guest artist and/or begin research for a play.

Department of English

SARA FRANCES CORDELL, Associate Professor

Second semester 2011-12, full pay

To conduct research for a book manuscript which analyzes the Wessex Novels of Thomas Hardy from the standpoint of Jacques Lacan's topology of "mind".

Department of Philosophy

JOHN BARKER, Associate Professor

Second semester 2011-12, full pay

To complete ongoing research and to produce a series of journal articles on theories of truth and semantic paradoxes.

Department of Psychology

SHERYL L. REMINGER, Assistant Professor

First semester 2011-12, full pay

To complete data analyses of research on brain structure and cognitive function in breast cancer survivors, and to submit a manuscript for publication.

COLLEGE OF PUBLIC AFFAIRS AND ADMINISTRATION

Department of Legal Studies and Political Science

JASON A. PIERCESON, Associate Professor

First semester 2011-12, full pay

To conduct research for a book manuscript on judicial policy making in the United States and Canada, and to complete the editing of a book on Latin American same-sex marriage.

Department of Public Health

SHAHRAM HESHMAT, Associate Professor

First semester 2011-12, full pay

To complete a book manuscript titled "Reducing Obesity through Behavioral Economics".